RAJYA SABHA

Thursday, the 22nd August, 1985/Sravana, 1907 (Saka)

The House met at eleven of the clock, **Mr. Chairman** in the Chair

ORAL ANSWERS TO QUESTIONS

Government's approval of space profile for the current decade

*421. SHRI M. BASAVARAJU: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that Shri U. R. Chairman Space Commission, in an interview to the news magazine 'India Today' of the 31st October, 1984 issue stated that Government have already approved space profile for the current decade;

(b) if so, what are the details in this regard; and

(c) by when India is likely to reach the operational stage from the present experimental stage?

THE PARLIAMENTARY SECRETARY (SHRI ARUN SINGH): (a) to (c) A statement is laid on the Table of the House.

STATEMENT

(a) Yes Sir.

(b) and (c) The major objectives and elements of Space effort for the decade 1980-90 are:

(i) to develop an Indian Remote Sensing (IRS) Statellite for the effective Utilisation of remote sensing technology and to proprote the establishment of a national resources survey and management system; Operationalisation of Remote Sensing will begin from 1986-87 with the scheduled launching of Indian Remote Sensing Satellite IRS-1A.

(ii) to improve the capabilities of the SLV-3 Launch Vehicle, develop its variants for enhanced payloads and to conduct their launches. A concomitant of this is the development of launch vehicles capable of placing remote sensing satellites in polar sunsynchronous missions from ranges within the country. The first ASLV launch vehicle which can launch 150 kg. scientific satellites is scheduled for early 1986. The polar Satellite Launch Vehicle capable of alunching remote sensing satellites will commence operation from 1989 onwards;

(iii) to acquire launch capability of geosynchronous missions in communications, meteorology and other space applications for national needs. This is expected to be achieved by 1992;

(iv) to enhance the capabilities and utilisations of the ISRO Telemetry, Tracking and Telecommand Network (ISTRAC) as well as the national test and launching ranges Launch vehicle for ASLV is already ready. ISTRAC will become operational in 1986 and launch vehicle for PSLV will meet the scheduled launch of PSLV in 1989.

(v) to accelerate the indigenisation of the spacecraft of the INSAT-(Indian National Satellite) System, so as to replace the imported first generation space segment by Indian built satellites. The second generation series of INSAT satellites. Totally indigeneous are planned from 1990 onwards to replace the first generation INSAT-I series.

2. Details of the Indian Space Programme, its objectives, achievements etc., are contained in the approvd Space Profile for 1980-90, which has been placed on the Table of Rajya Sabha on August 20, 1981. The performance and programme of the Department of Space are contained in the Annual Reports, copies of which are available in the Parliament Library.

SHRI M. BASAVARAJU: Sir, I would like to know by when we would be able to launch an indigenously manufactured spacecraft by indigenously manufactured launch vehicles.

SHRI SHIVRAJ PATIL: Sir, in 1992 we will be able to launch INSAT-2 with our GSLV.

SHRI M. BASAVARAJU: Sir, in a pamphlet entitled Profile 1990 published by the Department of Space, it has been stated that in the coming years with the help of Satellite India, India would conduct an efficient survey and management of natural resources. In this connection I would like to know whether any survey has since been conducted for the purpose with the help of the Satellite and, if so, what result has so far been achieved by conducting such a survey?

SHRI SHRIVRAJ PATIL: Sir, we are collecting the imagers and we are examining them and supplying the information to the different departments. We have the stations at five places and we are doing it.

SHRI SURESH KALMADI: Sir the approved space profit for the next ten years is silent on the military implications of satellite technology. I would like to know whether the Government proposes to use this for defence purposes, for observation, etc.

SHRI SHIVRAJ PATIL: Time and again it has been declared by the Government of India that the space programme of India is for peaceful purposes.

PROF. B. RAMACHANDRA RAO: Mr. Chairman, Sir, does this programme include any study of the sea current systems so that it will help in a better understanding of the meteorological phenomena, particularly monsoons?

SHRI SHIVRAJ PATIL: Sir, we are going to have the platform fixed at a ship as well as at one place and we would be able to use the sea current also with the help of these platforms and the satellite. This too will, to some extent, help us in studying the monsoons.

SHRI KAPIL VERMA: Mr. Chairman, Sir, when shall we send out a man to the space on our ships, indigenously made and indigenously launched? Is it a part of our programme?

SHRI SHIVRAJ PATIL: We do not have a programme to send a man on an Indian-made ship to the space. But with the help of the Soviet rockets we have sent one person and in the U.S. rockets, we are sending the second.

Government-Mizo National Front Talks

*422. SHRI INDRADEEP SINHA:†

SHRI GURUDAS DAS GUPTA:

Will the Minister of HOME AFFAIRS be pleased to state:

(a) whether it is a fact that the Government-Mizo National Front talks have got struck on the question of High Court location and sharing of power during the period of interim arrangement; and

(b) if the answers to part (a) above be in negative what are the hurdles in arriving at an early agreement?

THE MINISTER OF HOME AFFAIRS (SHRI S. V. CHAVAN): (a) and (b) The talks are progressing and are at final stages.

SHRI INDRADEEP SINHA: Sir I draw your attention to the answer given by the hon. Minister. The question was whether it is a fact that the Government-Mizo National Front talks have got stuck up on the question of sharing power during the period of interim arrangement The Minister says that the talks are in the final stages. But what about these hurdles? Are these hurdles there or have they been overcome or whether they did not exist at all? What the positions is, I should like to have a clear cut answer from the hon. Minister.

SHRI S. V. CHAVAN: Sir, at this stage it will not be in public interest to disclose the details.

MR. CHAIRMAN: Your second supplementary.

SHRI INDRADEEP SINHA: Sir, like other backward areas in the country. . .

†The question was actually asked on the floor of the House by Shri Indradeep Sinha.